

Vitae

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Education & Professional Employment

B.A. Connecticut College, 1984, Field Biology/Human Ecology
M.S. Southern Connecticut State University, 1990, Biology
1990-Present Research Fishery Biologist
1984-1990 Biological Laboratory Technician
1980-1984 Junior Federal Fellow (Student Trainee)

Peer-Reviewed Journal Publications

Mercaldo-Allen R, Kuropat C. A., Perry D.M., Redman D. H. 2014. Relation between Nucleic Acid Indices and Growth Rate in Fed and Fasting Juvenile Scup, *North American Journal of Aquaculture*, 76:1, 1-8.

Perry, D. M., Redman, D. H., Mercaldo-Allen, R., Kuropat, C. A., and Widman Jr, J. C., (2013). Growth of Juvenile Scup Fed Two Commercial Diets. *North American Journal of Aquaculture*, 75(3): 352-355.

Goldberg, R., R. Mercaldo-Allen, J. M. Rose, P. Clark, C. Kuropat, S. Meseck, and J. Pereira. 2012. Effects of hydraulic shellfish dredging on the ecology of a cultivated clam bed. *Aquaculture Environment Interactions* 3:11-21.

Dean M. Perry, Dylan H. Redman, Renee Mercaldo-Allen, Catherine A. Kuropat, and James C. Widman Jr.. 2012. Growth of Juvenile Scup *Stenotomus chrysops*, Fed Two Commercial Diets. *North American Journal of Aquaculture* 75:352-355.

Mercaldo-Allen, R., Goldberg, R., Clark, P., and Kuropat, C. (2011). Observations of Juvenile Lobsters, *Homarus americanus* on a Rock Reef in Long Island Sound. *Northeastern Naturalist*, 18(1): 45-60.

Walsh ML, Fairchild EA, Rennels N, Farina SC, Howell WH, Mercaldo-Allen R, Kuropat C. 2009. Rearing diets for winter flounder optimize weaning success in hatchery, wild. *Global Aquacult Adv*. May/June: 58-60.

Dean M. Perry, Dylan H. Redman, Renee Mercaldo-Allen and Catherine A. Kuropat. 2009. Growth of juvenile scup, *Stenotomus chrysops*, fed three commercial diets. *Journal of Applied Aquaculture* 21:196-203.

Ziskowski, J., Mercaldo-Allen, R., Pereira, J. J., Kuropat, C., and Goldberg, R. (2008). The Effects of Fin Rot Disease and Sampling Method on Blood Chemistry and Hematocrit Measurements of Winter Flounder, *Pseudopleuronectes americanus* From New Haven Harbor (1987-1990). *Marine Pollution Bulletin*, 56:740-750

Mercaldo-Allen, R., Kuropat, C., and Caldarone, E. (2008). An RNA-DNA-Based Growth Model for Young-Of-The-Year Winter Flounder *Pseudopleuronectes americanus* (Walbaum). *Journal of Fish Biology*, 72: 1321-1331.

Mercaldo-Allen, R. C.A. Kuropat and E. Caldarone. 2006. A model to estimate growth in young-of-the-year tautog, *Tautoga onitis*, based on RNA/DNA ratio and seawater temperature. *J. Exper. Mar. Biol. Ecol.* 329: 187-195.

Kuropat, C., R. Mercaldo-Allen, E. Caldarone, R. Goldberg, B. Phelan, and F. Thurberg. 2002. Evaluation of RNA concentration as an indicator of growth in young-of-the-year winter flounder *Pseudopleuronectes americanus* and tautog *Tautoga onitis*. Mar. Ecol. Prog. Ser. 230: 265-274.

Perry, D.M., R. Mercaldo-Allen, and S. Burgh. 2001. Growth and culture of larval and juvenile tautogs in a closed recirculating seawater system. North American J. Aquaculture 63: 300-305.

Engel, D.W., M. Brouwer and R. Mercaldo-Allen. 2001. Effects of molting and environmental factors on trace metal body-burdens and hemocyanin concentrations in the American lobster, *Homarus americanus*. Marine Environmental Research 52:257-269.

Perry D.M., R. Mercaldo-Allen, C.A. Kuropat and J. Hughes. 1998. Laboratory culture of tautog. Progressive Fish-Culturalist 60:50-54.

Mercaldo-Allen, R., C.A. Kuropat, R. Greig and G. Sennefelder. 1994. PCB and metal concentrations in American lobsters from the Acushnet River Estuary and Long Island Sound. Bull. Environ. Contam. Toxicol. 53:820-827.

Mercaldo-Allen, R., C.A. Kuropat, J. Widman and F.P. Thurberg. 1994. Molt-related changes in hemolymph calcium of postlarval American lobsters (*Homarus americanus*). J. of Shellfish Research. 13(2): 387-391.

Pereira, J. J., R. Mercaldo-Allen, C. Kuropat, D. Luedke, and G. Sennefelder. 1993. Effect of cadmium accumulation on serum vitellogenin levels and hepatosomatic indices of winter flounder (*Pseudopleuronectes americanus*). Arch. Environ. Contam. Toxicol. 24:427-431.

Pereira, J.J., J. Ziskowski, R. Mercaldo-Allen, C. Kuropat, D. Luedke, and E. Gould. 1992. Vitellogenin studies in winter flounder (*Pseudopleuronectes americanus*) from Long Island Sound and Boston Harbor. Estuaries 15(3): 289-297.

Mercaldo-Allen, R. 1991. Changes in the blood chemistry of the American lobster, *Homarus americanus*, H. milne Edwards, 1837, over the molt cycle. J. Shellfish Research 10(1): 147-156.

Nelson, D. A., J. E. Miller, D. Rusanowsky, R. A Greig, G. R. Sennefelder, R. Mercaldo-Allen, C. Kuropat, E. Gould, F. P. Thurberg, and A. Calabrese. 1991. Comparative reproductive success of winter flounder in Long Island Sound: A three-year study (Biology, biochemistry, and chemistry). Estuaries 14(3): 318-331.

Mercaldo-Allen, R. 1989. Changes in the blood chemistry of the American lobster, *Homarus americanus*, over the molt cycle. M. S. Southern Connecticut State University, 152 pp.

Mercaldo-Allen, R. and F. P. Thurberg. 1987. Heart and gill ventilatory activity in the lobster, *Homarus americanus*, at various temperatures. Fish. Bull. 85(3): 643-644.

Mercaldo, R. S. and E. W. Rhodes. 1982. Influence of reduced salinity on the Atlantic bay scallop *Argopecten irradians* (Lamarck) at various temperatures. J. Shellfish Res. 2(2): 177-181.

Mercaldo, R. S. 1980. Growth of the American oyster (*Crassostrea virginica*) under both continuous and discontinuous feeding intervals. Connecticut J. Sci. Educat. 17(2): 24-27.

Non-Peer-Reviewed Publications

Mercaldo-Allen R, Calabrese A, Danila D, Dixon M, Fairchild E, Jearld A, Munroe T, Pacileo D, Powell C, Sutherland S. 2012. 13th Flatfish Biology Conference 2012 Program and Abstracts. US Dept Commer, Northeast Fish Sci Cent Ref Doc. 12-28; 71 p.

Mercaldo-Allen, R., and Goldberg, R. (2011). Review of the Ecological Effects of Dredging in the Cultivation and Harvest of Molluscan Shellfish. US Dept Commerce, NOAA Technical Memorandum NMFS-NE-220; 78p.

Mercaldo-Allen, R., Calabrese, A., Danila, D., Dixon, M., Jearld, A., Munroe, T., Pacileo, D., Powell, C., and Sutherland, S. (2010). 12th Flatfish Biology Conference 2010 Program and Abstracts. US Dept Commer, Northeast Fish Sci Cent Ref Doc. 10-21; 70 p.

Mercaldo-Allen R (chair), Calabrese A, Danila DJ, Dixon MS, Jearld A, Munroe TA, Pacileo DJ, Powell C, Sutherland SJ, steering committee members. 2008. 11th Flatfish Biology Conference Program and Abstracts, Dec. 3-4, 2008, Water's Edge Resort and Spa, Westbrook, Connecticut. US Dept Commer, Northeast Fish Sci Cent Ref Doc. 08-19; 54 p.

Mercaldo-Allen R, Calabrese A, Editors. 2008. Collected Programs & Abstracts of the Northeast Fisheries Science Center's Flatfish Biology Conferences, 1986-2002. US Dep Commer, Northeast Fish Sci Cent Ref Doc. 08-05; 377 p.

Mercaldo-Allen, R. (Chair), A. Calabrese, D. J. Danila, M. S. Dixon, A. Jearld, T. A. Munroe, D. J. Pacileo, C. Powell and S. Sutherland, steering committee members. 2006. Tenth Flatfish Biology Conference, November 29-30, 2006, Water's Edge Resort, Westbrook, Connecticut. US. Dept. Commer., *Northeast Fish. Sci. Cent. Ref. Doc.* 06-23; 43 p.

Mercaldo-Allen, R., M.A. Dawson, C.A. Kuropat, and D. Kapareiko. 2003. Variability in Blood Chemistry of Yellowtail Flounder, *Limanda ferruginea*, with Regard to Sex, Season, and Geographic Location. NOAA Technical Memorandum NMFS-NE-180, 20pp

Mercaldo-Allen, R.S. and C.A. Kuropat. 1994. The American lobster, *Homarus americanus*: Habitat requirements and response to contaminant exposure- a review. NOAA Technical Report 105: 52 pp.